

CHETYRKIN, Vladimir Mikhaylovich, prof. [deceased]; SHUL'TS, V.L., prof.,  
otv.red.; DONTSOVA, Z.N., dotsent. otv.red.

[Central Asia; geographical features and zoning] Sredniaia Azia;  
opyt kompleksnoi geograficheskoy kharakteristiki i raionirovaniia.  
Tashkent. Izd-vo SamGU, 1960. 239 p. (Tashkent. Universitet. Trudy,  
no.182). (MIRA 14:12)

(Soviet Central Asia--Physical geography)

SHUL'TS, V.L.; SHALATOVA, L.I.

Observations on the thawing of small glaciers originating in a  
firn during 1955, 1957, and 1958. Trudy Sred.-Az. nauch.-issl.  
gidrometeor. inst. no.3:65-87 '60. (MIRA 14:9)  
(Soviet Central Asia--Thawing)

SHUL'TS, V.I.; ZARUDNEV, P.M.

Basin of the Kabul River; a brief hydrological survey. Trudy Spets.  
Az. nauch.-issl. gidrometeor. inst. no.3:88-130 '60. (MIRA 14:9)  
(Kabul Valley--Hydrology)

SHUL'TS, V.L.; AKHMEDOV, G.A.; ORESHINA, L.M.; RUBINOVA, F.E.

Changing the stream flow of the Syr Darya in the region of the  
Chardara Reservoir in connection with the development of irrigation.  
Izv.AN Uz.SSR. Ser.tekh.nauk no.2:20-31 '61. (MIRA 14:3)  
(Syr Darya Valley—Water resources development)

SHUL'TS, V.L.

Calculating surface water resources in Afghanistan. Izv.  
AN U.S.S.R.Ser.tekh.nauk no.4:65-77 '61. (MIRA 15:1)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.  
(Afghanistan--Water resources development)

SHUL'TS, V.L.; SHALATOVA, L.I.

Hydrographic characteristics of rivers. Trudy TashGU no.184  
Geog. nauki no.21:49-61 '61. (MIRA 16:8)  
(Surkhan-Darya Province—Rivers)

SHUL'TS, V.L.; SHALATOVA, L.I.

Hydrographic characteristics of rivers. Trudy TashGU no.187:49-61  
'61. (MIRA 14:12)

(Surkhan-Darya Province--Rivers)

SHUL'TS, V.L.; SHALATOVA, L.I.

River regimen. Trudy TashGU no.185:83-92 '61.  
(Surkhan-Darya Province--Rivers)

(MIRA 14:12)



SHUL'TS, V.L.; SHALATOVA, L.I.

Distribution characteristics of runoff on the territory of the  
mountainous part of the basin. Trudy TashGU no.18<sup>5</sup> Geog. nauki  
no.21:93-107 '61. (Gissar Range region—Runoff) (MIRA 16:8)

NOZDRYUKHIN, V.K.; KREYTER, A.A.; KLYAVIN, V.; ELIZOV, I.; SUSLOV, V.F.;  
PAK, V.A., kand. geol.-min. nauk; YAKOVLEV, V.N.; LESNIK, Yu.N.;  
KOROLEV, I.A.; RAGHKULIK, V.I.; TACHKOVA, N.A.; KOLESHNIKOVA,  
V.N., kand. fiz.-mat. nauk; NASYROV, M.; SHULITS, V.L., doktor  
geolgr. nauk, prof., otv. red.; GAYSINSKAYA, I., red.; MASHARIPOVA, D.,  
red.; GOR'KOVAYA, Z.P., tekhn. red.

[Fedchenko Glacier] Lednik Fedchenko. Tashkent, Izd-vo Akad. nauk  
Uzbekskoi SSR. Vol.1. 1962. 247 p. (MIRA 15:8)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut matematiki.  
(Fedchenko Glacier)

SHUL'TS, V.L.

Low water in the rivers of Central Asia. Izv.Uzb.fil.Geog.ob-va  
6:5-10 '62. (MIRA 15:8)  
(Soviet Central Asia--Rivers)

SHUL'TS, V.L., otv. red.; GAL'PERIN, R.I., red.; SOSEDOV, I.S.,  
red.; CHUPAKHIN, V.M., red.; ALEKSANDRIYSKIY, V.V., red.;  
OSTROVERKHOV, A.P., red.; ALFEROVA, P.F., tekhn. red.

[Problems of the hydrology of Kazakhstan] Voprosy gidrologii  
Kazakhstana. Alma-Ata, Izd-vo AN Kaz.SSR, 1963. 101 p.  
(MIRA 17:2)

1. Akademiya nauk Kazakhskoy SSR. Alma-Ata. Otdel geografii.

ZAKHIDOV, A.Z.; CHERNOVA, A.F.; SHUL'TS, V.L., doktor geogr. nauk,  
prof., otv. red.; MOSHCHENKO, Z.V., red.; GOR'KOVAYA,  
Z.P., tekhn. red.

[Water-power resources of the rivers of the Uzbek S.S.R.]  
Vodnoenergeticheskie resursy rek Uzbekskoi SSR. Tashkent,  
Izd-vo AN UzSSR, 1963. 282 p. (MIRA 17:1)  
(Uzbekistan--Water power)

SHUL'TS, V.L. (Tashkent)

Expediency of artificially increasing the thawing of snow in the  
mountains of Central Asia. Meteor. i gidrol. no.5:38-41 My '63.  
(MIRA 16:5)

(Soviet Central Asia--Thawing)

SHUL'TS, Viktor L'vovich

[Rivers of Central Asia] Reki Srednei Azii. 2. izd. Lenin-  
grad, Gidrometeor. izd-vo, 1963. 1 v. (MIRA 18:2)

SHUL'TS, Viktor L'vovich; KOZIK, Ye.M., otv. red.; CHEPELKINA, L.A.,  
red.

[Rivers of Central Asia] Reki Srednei Azii. Leningrad,  
Gidrometeoizdat. Pts. 1 - 2. 1965. 691 p.

(MIRA 18:5)



DEN 100, 7000 100 100 100 SHUL'TS, V.I., red.; CHEPELKINA,  
100, 100.

[System for calculating the discharge hydrograph of  
mountain rivers] Skhema rascheta gidrografa stoka gor-  
nykh rek. Leningrad, Gidrometeoizdat, 1965. 102 p.  
(MIRA 18:7)

SHUSTOV, D.A., kandidat tekhnicheskikh nauk; SHUL'TS, V.N., professor,  
doktor tekhnicheskikh nauk [deceased]

Study of the nitrosyl-sulfuric acid pressure process. Khim.prom.  
no.3:72-73 Mr'47. (MLRA 8:12)  
(Sulfuric acid industry)

S/194/62/000/002/090/096  
D271/D301

AUTHORS: Karandeyev, N. B., Grinevich, F. B. and Shults, V. P.

TITLE: Automatic bridge for sorting electrolytic capacitors

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika, no. 2, 1962, abstract 2-7-2631 (V sb. "Avtomat. kontrol and elektr. izmereniya" (Automatic control and electrical measurements"), no. 2, Novosibirsk, Sib. otd. AN SSSR, 1960, 5-20)

TEXT: The automation of the parameter checking of electrolytic capacitors was studied theoretically in the Siberian Section of the Soviet Academy of Sciences. As a result, an automatic bridge was developed for checking capacitors type KЭ-2 (KE-2) of nominal capacity of 10, 20 and 30  $\mu\text{F}$  (case no. 4), with nominal voltages of 150, 300, 400 and 450 V. The sorting is done by capacity (capacitors are accepted within -15 and +45%), by loss angle (capacitors are accepted when  $\text{tg } \delta \leq 0.09$ ) and by leakage current (capacitors are accepted with a leakage current  $< 0.13 - 0.5$  mA, dependent on

Card 1/2

Automatic bridge for ...

S/194/62/000/002/090/096  
D271/D301

the capacity and voltage). The sorting error is by capacity + 2%, by  $\tan \delta$  + 10%, and by leakage current + 5%. Checking speed is 3600/hr. The supply to the bridge is 220 V, 50 c/s; the operation is possible between  $-15^{\circ}$  and  $-25^{\circ}\text{C}$  and with humidity 80%. The operational principles of the automatic bridge, its block diagram and the mechanical system are described as well as the measuring circuit. 3 references. /-Abstracter's note: Complete translation.\_/ ✓

Card 2/2

KARANDEYEV, K.B.; GRINEVICH, F.B.; SHUL'TS, V.P.

Some methods for automating the checking of the parameters of  
electrolytic capacitors. Avtom.kont.i elek.izm. no.1:21-46  
'60. (MIRA 15:8)  
(Condensers (Electricity)--Measurement)

GRINEVICH, F.B.; KARANDEYEV, K.B.; SHUL'TS, V.P.

Automatic bridge for standardizing the anodes of electrolytic  
foil condensers. Trudy Inst. avtom. i elektrometr. SO AN SSSR  
no.9:3-10 '64. (MIRA 17:11)

L 54585-65

ACCESSION NR: AT5009799

UR/0000/64/001/000/0029/0032

AUTHOR: Grinevich, F. B. (Novosibirsk); Shul'ts, V. P. (Novosibirsk)

TITLE: Indicator for separate balancing four-arm a-c bridges 10

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy. 4th, Novosibirsk, 1962. Avtomaticheskii kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 1: Metody elektricheskikh izmereniy. Tsifrovyye izmeritel'nyye pribory. Elementy izmeritel'nykh sistem (Automatic control and electrical measuring techniques; transactions of the conference, v. 1: Electrical measuring techniques. Digital measuring instruments. Elements of measurement systems). Novosibirsk, Redizdat Sib. otd. AN SSSR, 1964, 29-32

TOPIC TAGS: ac bridge, four arm ac bridge

ABSTRACT: The separate balance indicator (see Enclosure 1) comprises a phase shifter (PS), a potentiometer (P), and a differential voltmeter (DV) with an output-voltage polarity indicator (PI). The PS provides the voltage that has a definite

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L 54585-65

ACCESSION NR: AT5009799

phase shift with respect to the bridge-supply voltage  $\dot{U}_{ab}$ . By dividing the PS output voltages, the potentiometer P yields the voltage corresponding to the possible locations of the center of the balancing circle. The voltmeter DV helps in establishing equality of the voltages derived from the bridge. The potentiometer P is mechanically connected with the variable bridge parameter; division of the phase-shifter output voltage is a certain function of the turning angle. This provision permits eliminating a search for the balancing-circle center. Fig. art. has: 2 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 25Sep64

ENCL: 01

SUB CODE: EE, EC

NO REF SOV: 002

OTHER: 000

Card 2/3



L 00737-67 EWT(1)

ACC NR: AP6005324

SOURCE CODE: UR/0413/66/000/001/0058/0058

AUTHORS: Shul'ts, V. P.; Pankov, B. N.

ORG: none

TITLE: An alternating current bridge with inductive connected arms. Class 21, No. 177530

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 1, 1966, 58

TOPIC TAGS: circuit design, inductance bridge, electric impedance, electric measuring instrument

ABSTRACT: This Author Certificate presents an alternating current bridge with inductive connected arms, which is used for measuring complex impedances. The bridge includes a voltage transformer, a current comparison transformer, and one or several sample impedances (see Fig. 1). The design broadens the measurement limits without increasing the error of the measurement. Transformer voltage dividers are connected between the windings of the voltage transformer and the impedances in the compensating loop and the measurement loop. Transformer current dividers are connected between the windings of the current comparison transformer and the impedances.

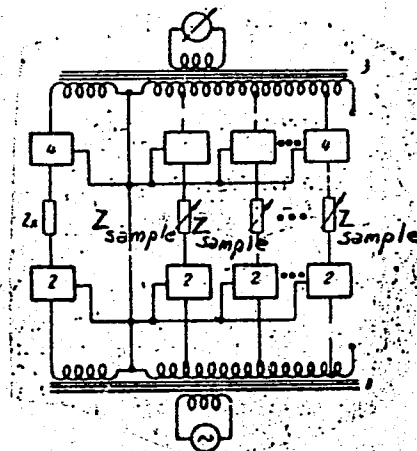
Card 1/2

UDC: 621.317.733.025

L 00737-67

ACC NR: AP6005324

Fig. 1. 1 - voltage transformer; 2 - voltage dividers; 3 - current comparison transformer; 4 - current dividers;  $Z_x$  and  $Z_{\text{sample}}$  - complex impedances



Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 02Sep63

Card 2/2 LC

S/122/60/000/002/006/018  
A161/A130

AUTHORS: Rozina Z. D., Smirnov V. V. - Engineers

TITLE: The kinematics and dynamics of forging cranes

PERIODICAL: Vestnik mashinostroyeniya, no. 2, 1969, 33 - 38

TEXT: The major purpose of the article is to consider theoretically the safety elements of forging cranes and the calculation methods with the use of properly determined calculation coefficients. The discussed conventional system with bumper springs is shown in Fig. 1. A calculation with the use of M. M. Silyapov's formula (PLO im. Kirov Plant) had proven that the horizontal displacements of the suspension system do not exceed 1 - 2 mm. They are, therefore, ignored to simplify the determination of the fundamental in relations between the vertical displacements of the edger chain and of the top pulleys of the block tackle. The work of the system is analyzed, and the process of the appearance and disappearance of overload is theoretically divided into five periods: 1) The initial sagging of the springs due to the static effect of the weight of a certain portion of the crane elements. 2) Further sagging of the system with the aid of crane elements. 3) Further sagging of the system with the aid of crane elements. 4) Further sagging of the system with the aid of crane elements. 5) Further sagging of the system with the aid of crane elements.

33-38

S/122/60/000/002/006/018  
A161/A137

the kinematics and dynamics of forging cranes

of the forging process. 3) Brake release (beginning with 125% static load). 4) A certain further sag of the springs caused by the rotary masses of the hoist mechanism not reaching the necessary speed instantaneously (a further load increase on the crane stopping at the moment when the suspension descend speed becomes equal to the descend speed of the forging). 5) When the system of the elastic crane elements reaches the state that preceded the 4th period, but at the new lower position of the suspension. It is recommended to set the load limit for the springs at 125% (of static) for the 1st and 3rd period, i.e., assume 25% overload, and use a correction coefficient in addition to it for the 4th period ( $\psi = 1.25$ ), and one more ( $\eta$ ) corresponding to the calculated overloads in the 4th period; to assume that unbraking must take place in the last period of the deformation of the forging (when the last gaps between the forging and the ram face are closed), and to take the forging descend speed equal to one half of the press work speed. In the presented calculations the press speed at the resistance coefficient  $\gamma = 0.75$  was taken for the rated. The final form of the derived differential equation of the drum speed is

$$\psi'' + \frac{B}{I} \psi = \frac{M_0}{I} + \frac{A}{I} t. \quad (20)$$

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A161/A130

The kinematics and dynamics of forging cranes

In this equation, A and B are 1) for the case when the top pulleys spring are participating in the work:

$$A = \frac{2C_{np}}{k - n} v_{nok} r; \quad (21)$$

$$B = \frac{2C_{np}}{k(k-n)} r^2; \quad (22)$$

and 2) for the case when the top pulley springs are excluded:

$$A' = \frac{2C_{np}}{k} v_{nok} r; \quad (23)$$

$$B = \frac{2C_{np}}{k^2} r^2. \quad (24)$$

The maximum moment applied to the drum is reached when the circumferential velocity reaches the value

$$\omega = \frac{A}{B} \quad (28)$$

The value of this moment can be determined using the equations (25) and (28). The equation (25) is:

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The kinematics and dynamics of forging cranes

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A161/A130

$$\varphi = -\frac{M_0}{B} \cos \sqrt{\frac{B}{T}} t - \frac{A}{B} \sqrt{\frac{T}{B}} \sin \sqrt{\frac{B}{T}} t + \frac{M_0}{B} + \frac{A}{B} t; \quad (25)$$

Designations:  $C_{np}$  - conditional reduced rigidity of the elastic elements;  $v_{nok}$  - the descending speed of the forging (or of the edger chain displacement);  $r$  - the drum radius;  $k$  - the branch number in the block tackle;  $n$  - the branch number not leading to the spring-loaded top pulleys;  $I$  - the inertia moment of the rotating and advancing hoist mechanism masses reduced to the drum shaft;  $t$  - time after the drum motion start. There are 2 figures.

Card 4/5

SHULTS, V.V.

Experimental study of the performance of the helical gear  
of the machines for the manufacture of synthetic fibers.  
Izv. vys. ucheb. zav.; tekhn. tekst. prom. no.4:153-160  
'63. (MIRA 16:11)

1. Leningradskiy politekhnicheskii institut imeni M.I.  
Kalinina.

SHUL'TS, V. V.

"Author's abstract of Dissertation," Vest. Mashinostroyeniya, no. 9, 1964, p. 8.

L 8916-65 (title of degree not given in article)

ACCESSION NR: AP4046181

18 18 7  
thermal phenomena arising during polishing of hard alloys. He establishes a connection between the temperature and the technological indices of the process, and he proposes methods and measures for most efficient polishing. N. P. Bernatskiy: Theory of gear engagement and a method for making worm gears with high load capacity; Leningradskiy politekhnicheskii institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). This represents a search for new types of spur gears with high load capacity. The author examines a worm gear with a worm profile limited by a circular arc in axial and normal sections of the turn. He proposes and makes a thorough study of worm gears with convolute worms of a new type, having a concave profile in axial section. He discusses the method and results of experimental investigation on worm gears with worms polished by a toroidal device using the F. L. Litvin method. V. V. Shul'ts: The geometry and load capacity of spur gears; Leningradskiy politekhnicheskii institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). This is a study on increasing the load capacity of worm gears by changing the geometry of the contact surfaces of the teeth. The parameters of the initial circular shape of the worm gears are determined for high load capacity. The author has designed a gear having twice the load capacity of correlative involute gears. V. A. Belov: A method of hardening the surface of a spherical head and the effect of this on the operational properties of the surface; Leningradskiy politekhnicheskii institut imeni M. I. Kalinina (Leningrad Polytechnic Institute). The author's study permits a scientific and practical evaluation of a series of

Card 2/2



SHNIGER, N.U.; SHUL'TS, V.Ye.

X-ray morphological parallels in the study of some functional signs of peptic ulcer. Vest. rent. i rad. 37 no.2:16-23 Mr-Apr '62.

(MIRA 15:4)

1. Iz 2-y kafedry rentgenologii i meditsinskoy radiologii (zav. - prof. Yu.N.Sokolov), kafedry patologicheskoy anatomii (zav. - prof. P.P.Yerofeyev [deceased]) Tsentral'nogo instituta usovershenstvovaniya vrachey (rektor M.D.Kovrigina) i 50-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach N.P.Brusova).

(PEPTIC ULCER)

SHUL'TS, V. Ye.

Dissertation defended for the degree of Candidate of Juridicial Sciences  
at the Institute of Government and Law

"Legal Positions of Interkolkhoz Organizations (From Materials of the  
Latvian SSR)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

SHUL'TS, V.Ye.

Problem of chemodectomas. Trudy TSIU 62:332-337 '63.

(MIRA 18:3)

1. Kafedra patologicheskoy anatomii (zav. prof. P.F.Yerofeyev  
[deceased]) Tsentral'nogo instituta usovershenstvovaniya vrachey.

VOSKRESENSKIY, Yu.N.; SHUL'TS, Ya.I.

Use of the controlled directional sensitivity method in searching  
for reef massifs in Bashkiria. Geol.nefti i gaza 5 no.9:53-56  
S '61. (MIRA 14:10)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. akad.I.M.Gubkina.  
(Bashkiria---Seismic prospecting)

KHAT'YANOV, F.I.; SHUL'TS, Ya.I.; KURYAYEVA, V.V.

Seismic prospecting using the controlled directional sensitivity method in search for reef massifs in the southern cis-Ural region. Geol.nefti i gaza 7 no.2:27-33 F '63. (MIRA 16:2)

1. Bashneftegeofizika.

(Ural Mountain region--Seismic prospecting)

(Ural Mountain region--Reefs)

SHUL'TS, Ya.I.; SHMAKOV, V.N.

First experience in the use of the controlled directional sensitivity method in the Southern Urals. Trudy MINKHGP no. 50:132-137  
'64 (MIRA 18:2)

SHULITS, Ya.V.

Introduction of new formulas in the production of liqueur and  
vodka. Khar. prom. no.2:44 Ap-Je '65. (MIRA 18:5)

SHUL'YS, Ya.Ya.

Device for boring clutches of the Ch-305 buckling machines.  
Obn.tekh.opyt.[MLP] no.20:20-21 '56. (MIRA 12:11)  
(Drilling and boring machinery)



KARLSON, Ye., inzhener; SHUL'TS, Ye., inzhener.

Better utilization of machinery in mine building. Mast.ugl. 4 no.11:  
(MLRA 9:2)

31 N '55.

(Bashkiria--Coal mines and mining)

S. 2  
VOL'YSON, S.I.; LUSHNIKOV, A.G., redaktor; SHUL'TS, Yu.F., redaktor;  
GABERLAND, M.I., tekhnicheskii redaktor.

[Latin-Russian medical dictionary] Latino-russkii meditsinskii slovar'.  
Pod red.A.G.Lushnikova. Izd.2-oe, perer. i dop. Moskva, Gos.izd-vo  
med.lit-ry, 1957. 422 p. (MIRA 10:11)  
(Latin language--Dictionaries--Russian) (Medicine--Dictionaries)

SHUL'TS, Yu. P.; MERTSALOVA, T.V.; SAVEL'YEVA, L.L. Prinimali uchastiye:  
SIZYAKINA, Ye. G.; KILACHITSKAYA, I.R.; MILLER, T.A., red.;  
LYUDKOVSKAYA, N.I., tekhn. red.

[Textbook of the Latin language] Uchebnik latinskogo iazyka.  
Pod obshchei red. Yu. P. Shul'tsa. Moskva, Medgiz, 1962. 203 p.

(MIRA 15:10)  
1. Kollektiv kursa latinskogo yazyka Vtorogo Moskovskogo  
meditsinskogo instituta imeni N.I. Pirogova (for Shul'ts,  
Mertsalova, Savel'yeva, Sizyakina, Kilachitskaya).  
(LATIN LANGUAGE--GRAMMAR) (MEDICINE--LANGUAGE)

SHUL'TS, Yu.F.

Work of the Latin language department of the N.I.Pirogov Second  
Moscow Medical Institute for 1959-1961. Sov.zdrav. 21 no.7:94 '62.  
(MIRA 15:8)

(MEDICINE, GREEK AND ROMAN)

SHUL'TS, Yu.M.

Hearing in railroad engineers. Vest. otorinolar., Moskva 14 no.1:31-34  
Jan-Feb 52. (CIML 21:4)

1. Of Belorechensk Railroad Polyclinic (Head--P.G. Avedikyan), North  
Caucasian Railroad.

SHUL'TS, Yu.M. (Krasnodarskiy kray)

Incidence of angina and experience in the prevention of angina  
among railroad workers. Kaz. med. zhur. no.1:69-70 Ja-F'63.  
(MIRA 16:8)

(TONSILS---DISEASES)  
(RAILROADS---EMPLOYEES---DISEASES AND HYGIENE)

SHUL'TS, Z.

SHUL'TS, Z.: "The pedagogical skill of the Soviet reader". Moscow, 1955.  
Moscow State Pedagogical Inst imeni V.I. Lenin. (Dissertations for the  
Degree of Candidate of Pedagogical Sciences).

SO: Knizhnaya letopis' No 44, 29 October 1955. Moscow.

SHUL'TSAS, B.B.

The ERA xerographic unit. Mashinostroitel' no.2:18-19 F '64.  
(MIRA 17:3)



SHUL'TSE, D.; VUKEL', L.

International symposium on the use of ultrapure materials. Atom.  
energ. 13 no.4:393-394 0 '62. (MIRA 15:9)  
(Radioactivation analysis—Congresses)

ANDERS, V.; KNOTEK, O.; BIRK, I.; OPITS, G.; TSORN, E.; YEGOR, V.  
KEGEL', F.; SHUL'TSE, V.

Reports of the large welding conference of the Association  
of West German Welders. Avtor.svar. 10 no.3:123 My-Je '57.  
(Germany, West--Welding) (MLRA 10:8)

CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Inorganic Substances!

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57166.

Author : Shul'tsek Z., Gottfried J.

Inst : Not given.

Title : Rapid Determination Methods of Metals and of Raw  
Materials. IV, Polarographic Determination of  
Germanium.

Orig Pub: Chem listy, 1957, 51, No 11, 2010-2016.

Abstract: Germanium ( $\text{Ge}^{4+}$ ) when reduced from solutions at  
 $\text{pH} > 5$ , develops a peak in the emf curve. At peak  
value the voltage of  $-1.55$  (compared to the satur-  
ated  $\text{Hg}_2\text{Cl}_2$  electrode) can be attained on the

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CZECHOSLOVAKIA / Analytical Chemistry. Analysis of  
Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57166.

Abstract: background of  $\text{Na}_2\text{CO}_3$ ,  $\text{Na}_2\text{CO}_3$  and complexon III, or  $\text{K}_2\text{CO}_3$  and KCN. The Ga wavelength increases with increased concentration of  $\text{Na}_2\text{CO}_3$ . The presence of small quantities of  $\text{SiO}_2$  does not interfere with the determination of Ga. However, in the presence of large quantities of  $\text{SiO}_2$  the Ga wave is completely suppressed. As the result of this,  $\text{SiO}_2$  has to be removed beforehand by precipitation with caustic.  $\text{NO}_3^-$  ions in contrast to  $\text{SO}_4^{2-}$  ions cause the distortion of the Ce waves. At high  $\text{Cl}^-$  concentrations the half wave potential of Ce wave is shifted toward more positive values. With increasing  $\text{Cl}^-$  concentration the peak of the Ce wave increases up to a limiting point and continues to

Card 2/4

14

Czechoslovakia / Analytical Chemistry. Analysis of  
Inorganic Substances.

E-2

Abs Jour: Ref Zhur-Khimiya, 1958, No 17, 57166.

Abstract: presence of small quantities of  $\text{Na}_2\text{O}_2$  and in nickel crucibles. The fused material is then neutralized with sulfuric acid and hydrochloric acid followed by distillation of  $\text{CeCl}_4$ . When the Ce content is very low, it becomes more economical to extract Ce with  $\text{C Cl}_4$ . The detailed description of the polarographic determinations of Ce (at -0.1 volts) in the ash by-products of the gas generation plants, minerals, and in the commercial distillates is also presented. For Part III refer to Ref Zhur-Khimiya, 1958, 28439.

Card 4/4

SHUL'TSEV, G., nauchnyy sotrudnik

Under the protection of green windbreaks. IUn. nat. no.5:33-34  
My '58. (MIRA 11:5)

1.Nauchno-issledovatel'skiy institut ovoshchnogo khozyaystva.  
(Vegetable gardening)

SMIRNOV, Ye.I., general-polkovnik meditsinskoy sluzhby, glav. red.; VOVSI, M.S., general-mayor meditsinskoy sluzhby, otv. red.; VINOGRADOV, V.N., red.; DAVIDENKOV, S.N., polkovnik meditsinskoy sluzhby, red.; LANG, G.F., red. [deceased]; SHUL'TSEV, G.N., red.; GOROVOY-SHALTAN, V.A., prof., polkovnik meditsinskoy sluzhby, red.

[Soviet medicine in the Great Patriotic War 1941-1945] Opyt sovetskoi meditsiny v Velikoi Otechestvennoi voine 1941-1945 gg. Moskva, Medgiz. Vol.26. 1949. 312 p. (MIRA 14:6)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Vovsi, Vinogradov, Davidenkov)

(WORLD WAR, 1939-1945—MEDICAL AND SANITARY AFFAIRS)  
(NERVOUS SYSTEM—DISEASES)

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ca

PROCESSES AND PROPERTIES INDEX

Gastric secretion during C-avitaminosis. G. P. Shul'tsev and Z. A. Bondar. *Soviet Med.* 1941, No. 4, 27-9. — From 22 detns. on 15 patients, 18-35 yrs. old, made on admission and again before release from the hospital, it was found that the amts. of gastric juice and pepsin, and acidity/decrease during C-avitaminosis (I). This is traced to an inadequate diet. In a series of cases I was due to a primary achylia and inadequate vitamin C (II) intake. Not only protracted I but also C-hypovitaminosis may lower gastric secretion and lead to achylia.

T. Laanes

ASB 51.8. ANATOMICAL LITERATURE CLASSIFICATION



MINISTRI, S. P.

Mos., Therapeutic Clinic, Central Inst. Advanced Training for Physicians, -cl948-.  
"The Height of Blood Pressure of Healthy Soldiers," "Reaction of the Circulation  
to Physical Trauma," "Characteristics of Circulation in Conditions of Shock,"  
Voeny; Traumaticheskii Shok, Moscow, cl947; "Ozokerite Therapy for Exudative  
Pleurisy," Sov. Med., No. 9, 1948.

SHUL'TSEV, G. P.

..USSR/Medicine - Pleurisy  
Medicine - Therapeutics

Sep 48

"Ozokerite Therapy for Exudative Pleurisy," I. S. Shnitser, G. P. Shul'tsev, A. A. Shmidt, Therapeutic Clinic, Cen Inst for Advancement of Doctors, 2 pp

"Sov Med" No 9

This therapy was begun only recently, and to date the number of cases is less than 100. It proved most effective when combined with heat treatments. Produces a slight narcotic condition. Although research conducted by authors is extremely limited, results are published for future reference.

24/49T65

SHUL'TSEV, G. P.

Shul'tsev, G. P. - "Ascorbic acid content in the feces in normality  
and in gastrointestinal illnesses," Vracheb. delo, 1949,  
No. 2, columns 131-34

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No.14, 1949).

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CA

Clinical significance of determination of neutral 17-ketosteroids in urine. I. Elimination of 17-ketosteroids in healthy subjects and in diseases with definite affliction of the adrenal cortex. G. P. Shul'tsev. *Klin. Med. (U.S.S.R.)* 29, No. 5, 36-41(1951).—The av. elimination of 17-ketosteroids in men is 15-17 mg. daily; in women it is 10 mg. Diseases affecting the adrenal cortex cause a decline of such elimination. Administration of desoxycorticosterone acetate does not always increase steroid elimination in urine in patients with tubercular forms of such diseases and high dosages may cause hypertony. Any cause leading to increased adrenal cortical activity generally leads to higher rate of steroid elimination in urine, with especial rise in hormonal swelling of the cortex. G. M. Kosolapoff

SHUL'TSEV, G.P.

Clinical significance of determination of urinary neutral 17-ketosteroids  
function test of the adrenal cortex in certain internal diseases. Klin.  
med., Moskva 29 no.12:42-48 Dec 51. (CIML 21:4)

1. Moscow.

RUH'ITAY, G. F.; TOMOVA, V. P. F.

Hemochromatosis

Treatment of bronze diabetes. Sov. med. 16 No. 5, 1958

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

1. ZHULITSKY, G. P.
2. USSR (600)
4. Cancer
7. Case of disseminated carcinomatosis (cancerous toxicosis), Terap. arkh. 24, no. 6, 1952.
9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

SHUL'TSEV, G.P., polkovnik med. sluzhby, doktor med. nauk

Role of cold in the pathogenesis of internal diseases. Voen. med.  
zhur. no.1:29-35 Ja '57 (MIRA 12:7)

(COLD, INJURIOUS EFFECTS,  
internal dis. (Rus))



Country : USSR  
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24907

Author : Shchepetsev, G. P.  
Inst : Scientific-Research Institute of the Vegetable

Economy.  
Title : Coulistes from Corn on Square-Nest Sowings of Cucumbers.

Orig Pub : Byul. nauchno-tekhn. inform. N.-i. in-ta ovosh-chn. kh-v, 1957, 2, 18-19

Abstract : In 1954-1955, the "Petrovskoye" sovkhos of Moskovskaya Oblast conducted experiments on argillaceous soils in growing the Nerosimyye cucumbers by the nest method, using two-row coulisette belts from Partizanka corn laid out after every 7-10.5 m. The air temperature on the soil's surface of the experimental variants was higher than that of

Card : 1/3

Country : USSR  
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M  
Abs Jour : RZhBiol., No 6, 1959, No 24907  
Author :  
Inst :  
Title :  
Orig Pub :

Abstract : controls by 1-3.50; the relative air humidity -  
by 10-11 percent, and the strength of the wind  
was reduced by 1.5-2 times. These conditions  
assisted in increasing the cucumber harvest, ac-  
cording to data for the year 1954, from 240-280  
to 265-337 c/ha (the lower indices refer to va-  
riants planted by seedlings). In the inter-cou-  
lisse belts, the speedier development of the

Card : 2/3

22(1) 17

SOV/177-58-1-15/25

AUTHOR: Shul'tsev, G.P., Colonel of the Medical Corps

TITLE: Independent Training and Perfecting of Military Theraputists in Their Specialties (O samostoyatel'noy podgotovke i sovershenstvovanii voyennykh vrachey-terapevtov po spetsial'nosti)

PERIODICAL: Voenno-meditsinskiy zhurnal, 1958, Nr 1, pp 62-68 (USSR)

ABSTRACT: This article gives a historical survey and general instructions with respect to the training of therapeutists in their specialties. The author stresses the importance of everyday work in hospitals, in laboratories and consulting rooms as well as of studying specialized literature. For military therapeutists the most important factors are: improvement in classifying wounds, quickly diagnosing a patient's condition by facial color, breathing, pulse frequency,

Card 1/2

SHUL'TSEV, G.P., polkovnik med.sluzhby

M.P. Konchalovskii and problems in military field therapy. Voen.-med.  
zhur. no.12:74-76 D '58. (MIRA 12:12)  
(MEDICINE, MILITARY) (KONCHALOVSKII, MAKSIM PETROVICH, 1875-)

SHUL'TSEV, G.P. (Moskva)

Clinical picture of psoriatic polyarthrititis. Sov.med. 22 no.11:86-90  
N' 58 (MIRA 11:11)

(PSORIASIS, compl.  
arthrititis (Rus))  
(ARTHRITIS, etiol & pathogen  
psoriasis (Rus))

SHUL'TSEV, G.P. (Moskva)

A case of unusual hemorrhagic diathesis during treatment with  
leeches. Klin.med. 36 no.10:137-139 0'58 (MIRA 11:11)  
(HEMORRHAGIC DIATHESIS, etiol. & pathogen.  
ther. with leeches (Rus))  
(LEECHES,  
ther. application causing hemorrh. diathesis (Rus))

SHUL'TSEV, G.P.. doktor med.nauk, polkovnik meditsinskoy sluzhby

Errors and difficulties in the diagnosis of nephritis. Voen.-med.  
zhur. no.10:8-14 O '59. (MIRA 13:3)  
(NEPHRITIS, diagnosis)

SHUL'TSEV, G.P.; NESMELOVA, V.V. (Moskva)

Changes in the kidneys in marathon racing. Klin. med. 37 no.5:  
152-154 My '59. (MIRA 12:8)

(ATHLETICS

marathon racing, eff. on kidneys (Rus))

(KIDNEYS, physiol.

eff. of marathon racing (Rus))



SHUL'TSEV, G.P., polkovnik meditsinskoy sluzhby, doktor med. nauk; FARBER, V.B., polkovnik meditsinskoy sluzhby, professor

"Field therapy in military medicine," edited by B.D.Ivanovskii.  
Reviewed by G.P.Shul'tsev, V.B.Farber. Voen.-med. zhur. no.3:89-  
95 Mr '60. (MIRA 14:1)

(MEDICINE, MILITARY)  
(IVANOVSKII, B.D.)

SHUL'TSEV, G.P.; VOLCHKOV, B.P.

Clinical aspects of an atherosclerotic aneurysm of the thoracic  
aorta. Klin.med. 38 no.6:121-126 Je '60. (MIRA 13:12)  
(AORTIC ANEURYSM) (ARTERIOSCLEROSIS)

SHUL'TSEV, G.P.

A.P. Chekhov on angina pectoris; on the centenary of his birth.  
Klin.med. 38 no.1:142-144 Ja '60. (MIRA 13:10)  
(ANGINA PECTORIS) (CHEKHOV, ANTON PAVLOVICH, 1860-1904)

SHUL'TSEV, G.P. (Moskva)

Choleduodenal fistula of 10-year duration with periodic massive  
discharge of bile in defecation. Klin.med. 38 no.11:117-118 N  
'60. (MIRA 13:12)

(FISTULA)

SHUL'TSEV, G.P., polkovnik meditsinskoy sluzhby, doktor med.nauk

Problems of therapeutics in volumes of collected papers from  
military districts and fleets (1958-1959). Voен.-med.zhur.  
no.3:85-89 Mr '61. (MIRA 14:7)

(THERAPEUTICS)

SHUL'TSEV, G. P. (Moskva)

Pancreatitis turning into diabetes mellitus. Klin. med. no.6:43-49  
'61. (MIRA 14:12)

(PANCREAS--DISEASES) (DIABETES)

PEROV, S.A.; SHULTSEV, G.P. (Moskva)

Clinical aspects of camphor (oil) embolism. Klin.med. 39  
no.5:146-148 My '61. (MIRA 14:5)  
(EMBOLISM) (CAMPHOR)

TEODORI, M.I.; KHAZANOV, A.I.; SHUL'TSEV, G.P.; SHTERN, R.D.  
(Moskva)

Cirrhosis of the liver in its clinical and anatomical aspects.

Terap.arkh. no.6:33-41 '61.

(MIRA 15:1)

(LIVER--CIRRHOSIS)



SHUL'TSEV, G.P., polkovnik meditsinskoy sluzhby, doktor med.nauk

Clinical aspects of gunshot wounds of the liver. Voenn.-med. zhurn.  
no. 10: 54-57 O '61. (MIRA 15:5)  
(LIVER--WOUNDS AND INJURIES) (GUNSHOT WOUNDS)

SHULTSEV, G.P., polkovnik meditsinskoy sluzhby, doktor med.nauk

Sorting injuries by therapeutic categories. Voenn.-med.  
zhur. no.11:10-11 N '61. (MIRA 15:6)  
(MEDICINE, MILITARY)

SHUL'TSEV, G. P., doktor med. nauk (Moskva)

Side effects following prednisolone therapy. Terap. arkh. no.12:  
90-96 '61. (MIRA 15:2)

(PREGNADIENEDIONE—TOXICOLOGY)

SHUL'TSEV, G. P.

"Some problems of the diagnosis and prophylaxis of acute pneumonia" - p. 19

Voyenno Meditsinskiy Zhurnal, No. 3, 1962

SHUL'TSEV, G.P., doktor med.nauk (Moskva)

Nosology, nomenclature and statistical registration of myo-  
cardial infarct. Terap.arkh. no.7:98-100 JI '62. (MIRA 15:8)  
(~~HEART INFARCTION~~)

KANAREYKIN, K.F., doktor med.nauk; SHUL'TSEV, G.P., doktor med.nauk (Moskva)

Interrelation between clinical specialities (with the example  
of neuropathology and therapy). Klin.med. no.9:23-27 '62.

(NEUROLOGY)

(THERAPEUTICS)

(MIRA 15:12)

SHUL'TSEV, G. P.

"Changes of Internal Organs in the Case of Physical Overexertion" - p. 29

Voyenno Meditsinskiy Zhurnal, No. 10, 1962

SHUL'TSEV, G.P., doktor med.nauk (Moskva)

Significance of M.P.Konchalosvkii's works for modern clinical  
medicine. Terap. arkh. 34 no.12:114-117 D'62. (MIRA 16:6)  
(KONCHALOVSKII, MAKSIM PETROVICH, 1875 - 1942)



SHUL'TSEV, G.P.; TEODORI, M.I. (Moskva)

Hemorrhages and necroses in the myocardium in excessive  
physical strain; clinicoanatomical studies. Arkh. Pat. 25  
no.6:33-38 '63. (MIRA 17:1)

SHUL'TSEV, G.P., doktor med. nauk (Moskva)

Latent forms of adrenocortical insufficiency. Sov. med. 26  
no.4:3-7 Ap '63. (MIRA 17:2)

VLASOV, K.F., kand.med. nauk; SHUL'TSEV, G.P., doktor med. nauk; DMITROV,  
V.S. (Moskva)

Intramuscular administration of strophanthin and corglycon in  
circulatory insufficiency in patients with coronary disorders.  
Sovet. med. 26 no.5: 18-22 My'63 (MIRA 17:1)

1. Iz Tsentral'nogo voyennogo Krasnoznamennogo gospihalya imeni  
P.V. Mandryka (Nachal'nik zasluzhenny vrach RSFSR N.M.Nevskiy).

SHUL'TSEV, G.P., doktor med. nauk

Reply to the remarks on our article "On the problem of nosology,  
nomenclature and statistical recording of myocardial infarct."  
Terap. arkh. 35 no.5:101-103 My'63 (MIRA 16:12)

SHUL'TSEV, G.P. (Moskva)

More on the clinical aspects of internal biliary duodenal  
fistulae. Klin. med. 41 no.2:138-139 F'63 (MIRA 17-3)

SHUL'TSEV, G.P.; TSYGANOVA, A.M. (Moskva)

Two cases of adrenal atrophy in prolonged steroid therapy.  
Klin. med. 41 no.7:121-123 J1'63 (MIRA 16:12)

1. Iz 1-y kafedry terapii (zav. - prof. A.Z. Chernov) TSEN-  
tral'nogo instituta usovershenstvovaniya vrachey i Bol'nitsy  
imeni S.P. Botkina (glavnyy vrach Yu.G. Antonov), Moskva.

KONCHALOVSKIY, Maksim Petrovich [1875-1942]; TAREYEV, Ye.M., prof., red.;  
SHUL'TSEV, T.P., red.; KUZ'MINA, N.S., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Medgiz, 1961. 347 p.  
(MIRA 14:12)

1. Daystvitel'nyy chlen AMN SSSR (for Tareyev).  
(MEDICINE, INTERNAL)

*100-100000-100*  
MELKOV, Mikhail Petrovich; SHULUKHIN, A.S., red.; KOGAN, F.L., tekhn.red.

[Restoration of automobile and tractor parts by means of electrolytic  
steeling] Vosstanovlenie avtotraktornykh detalei elektroliticheskim  
ostalivaniem. Izd. 2-oe, perer. Moskva, Nauchno-tekhn.izd-vo  
avtotransp.lit-ry, 1957. 196 p. (MIRA 11:3)

(Electroplating)

(Automobiles--Maintenance and repair)

(Tractors--Maintenance and repair)



KHOMKHOLOV, Bazhey Khankharayevich; SHULUNOV, N.D., spets.red.;  
SUMKIN, A.N., red.izd-va; AKHANOV, IS.B., tekhn.red.

[Soviet Buryat-Mongolia in the united family of nations of  
the U.S.S.R.] Sovetskaya Buriat-Mongoliya v edinoy sem'e  
narodov SSSR. Ulan-Ude, Buriat-Mongol'skoe knizhnoe izd-vo,  
1958. 398 p. (MIRA 12:5)  
(Buryat-Mongolia)

S/032/026/012/032/036  
B020/3056

AUTHOR: Shulunov, P. M. Senior Engineer

TITLE: It Is Necessary to Improve the Construction and the Quality of the Production of the YM-5 (UM-5) Testing Machines

PERIODICAL: Zavodskaya laboratoriya, 1960, Vol. 26, No. 12, p. 1439

TEXT: The Armavirskiy zavod "Armalit" (Armavir Plant "Armalit") of the Krasnodarskiy ekonomicheskii administrativnyy rayon (Krasnodar Economic Administration Rayon) began with the series production of the universal testing machine UM-5. The machine can be used for elongation, compression, and bending tests. The analysis of the operation of the machines, one of which was supplied to the laboratory of the nauchno-issledovatel'skiy i proyektnyy institut Giproneftemash (Scientific Research and Planning Institute of the Giproneftemash), and four to the laboratoriya metallovedeniya (Laboratory of Metallography) of the Vostochno-Sibirskiy filial Akademii nauk SSSR (East Siberian Branch of the Academy of Sciences USSR) however, showed various disadvantages which partly concern the finish

Card 1/2

It Is Necessary to Improve the Construction and S/032/60/026/012/032/036  
the Quality of the Production of the YM-5 B020/B056  
(UM-5) Testing Machines

of individual components, incomplete purification, the displacement of the clamp and the loading of the specimen not corresponding to the regulations of GOCT (GOST), the faulty individual testing of the machines, as well as various defects of construction. Finally, the complicated operation during the change-over of the recording device from elongation to compression is pointed out.

ASSOCIATION: Laboratoriya nauchno-issledovatel'skogo i proyektnogo instituta "Giproneftemash", g. Angarsk (Laboratory of the Scientific Research and Planning Institute "Giproneftemash", Angarsk.)

Card 2/2

*Shulutko, B.I.*

SHULUTKO, B.I., student VI kursa (Leningrad)

Electrocardiographic changes under the effect of the cold pressor test. Klin.med. 35[i.e.34] no.1 Supplement:4-6 Ja '57. (MIRA 11:2)

1. Iz kafedry fakul'tetskoy terapii (zav. - prof. T.S.Istomanova, rukovoditel' raboty A.F.Tur) I Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.

(ELECTROCARDIOGRAPHY)

(COLD--PHYSIOLOGICAL EFFECT)